

Manifest first using Ant

George Mesesan

Ein Vergleich

PDE Build

maven

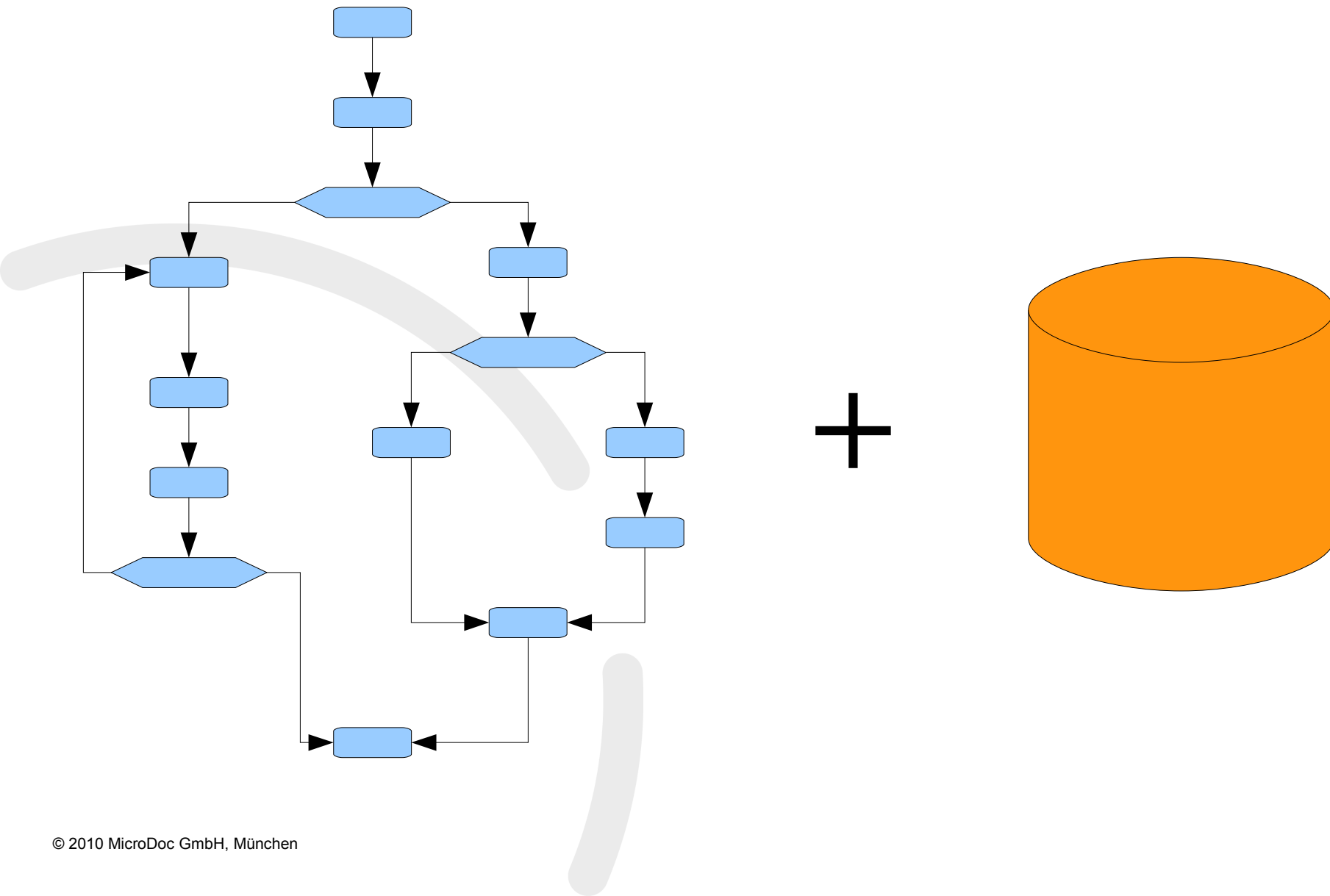
VS.



Buckminster



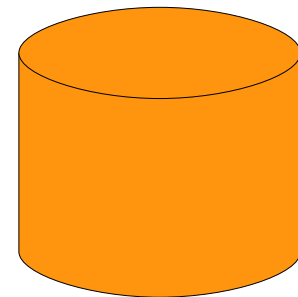
Software



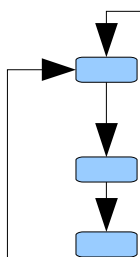
Data Driven

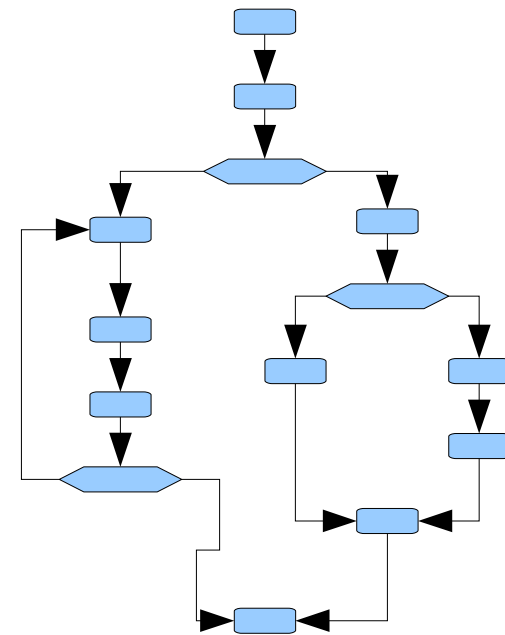


- MDD, EJB, Declarative Services
- Maven, Ivy, Buckminster
- XML !



Execution Flow Driven

- Imperative programming languages
 - Ant
 - Task !
- 
- ```
graph TD; B1[] --> B2[]; B2 --> B3[]; B3 --> B1;
```

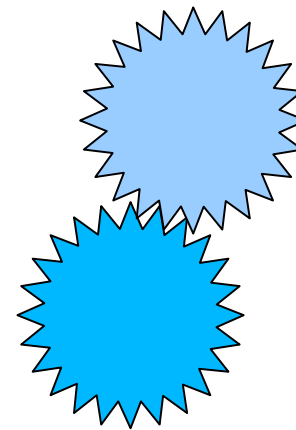
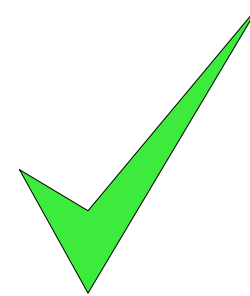


# Ant++

- Ant-Contrib
- Gant
- Custom Ant-Tasks

# Die Aufgaben des Builds

abc -> 01011001



# Qualitätsmerkmale

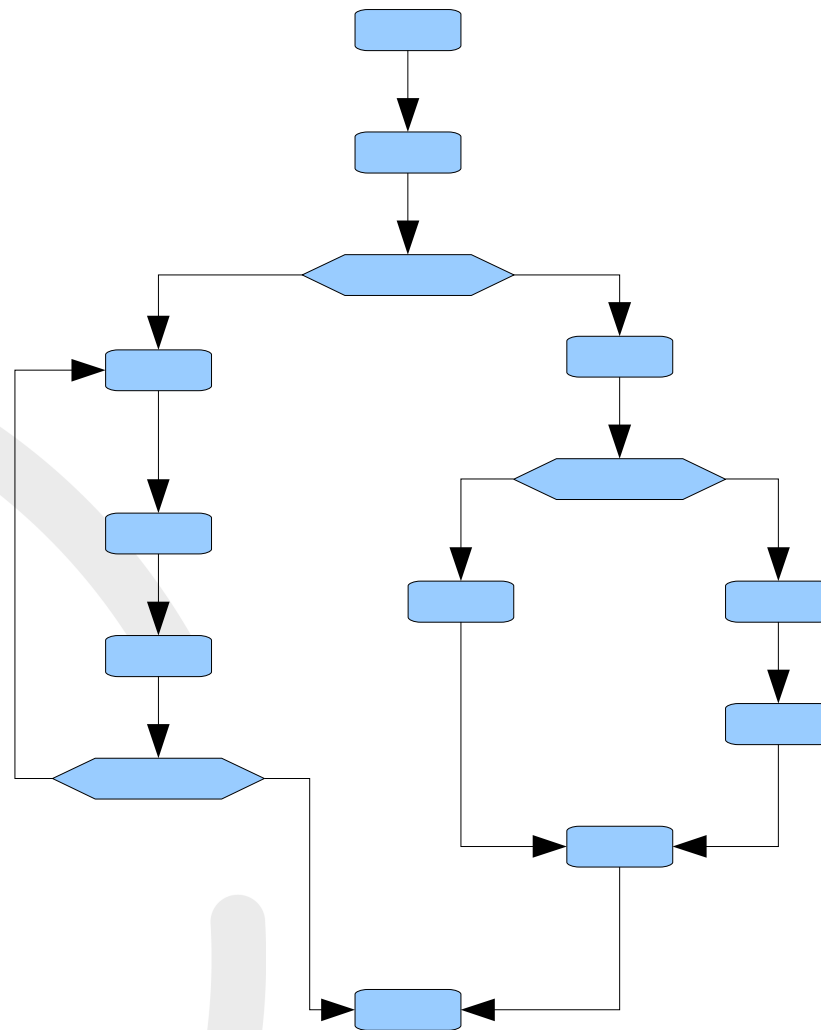
- Ein Build, viele Umgebungen
- Einfachheit / Wiedererkennbarkeit.
- Schnell builden, schnell failen.



# Smells

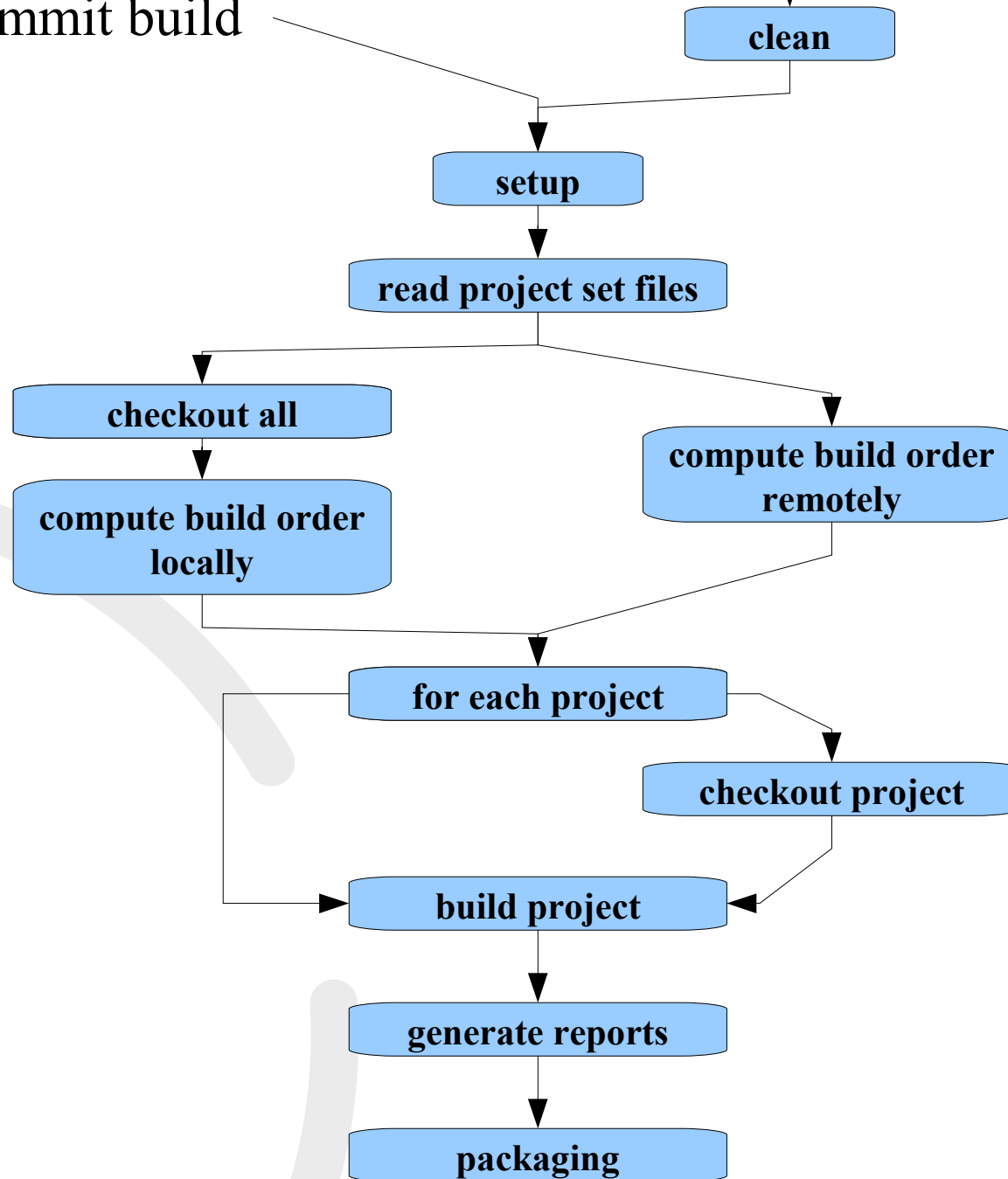
- Duplizierung der Information
- Fragile Builds
- Workarounds

# Execution Flow



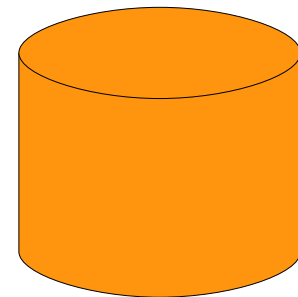
Commit build

Integration build

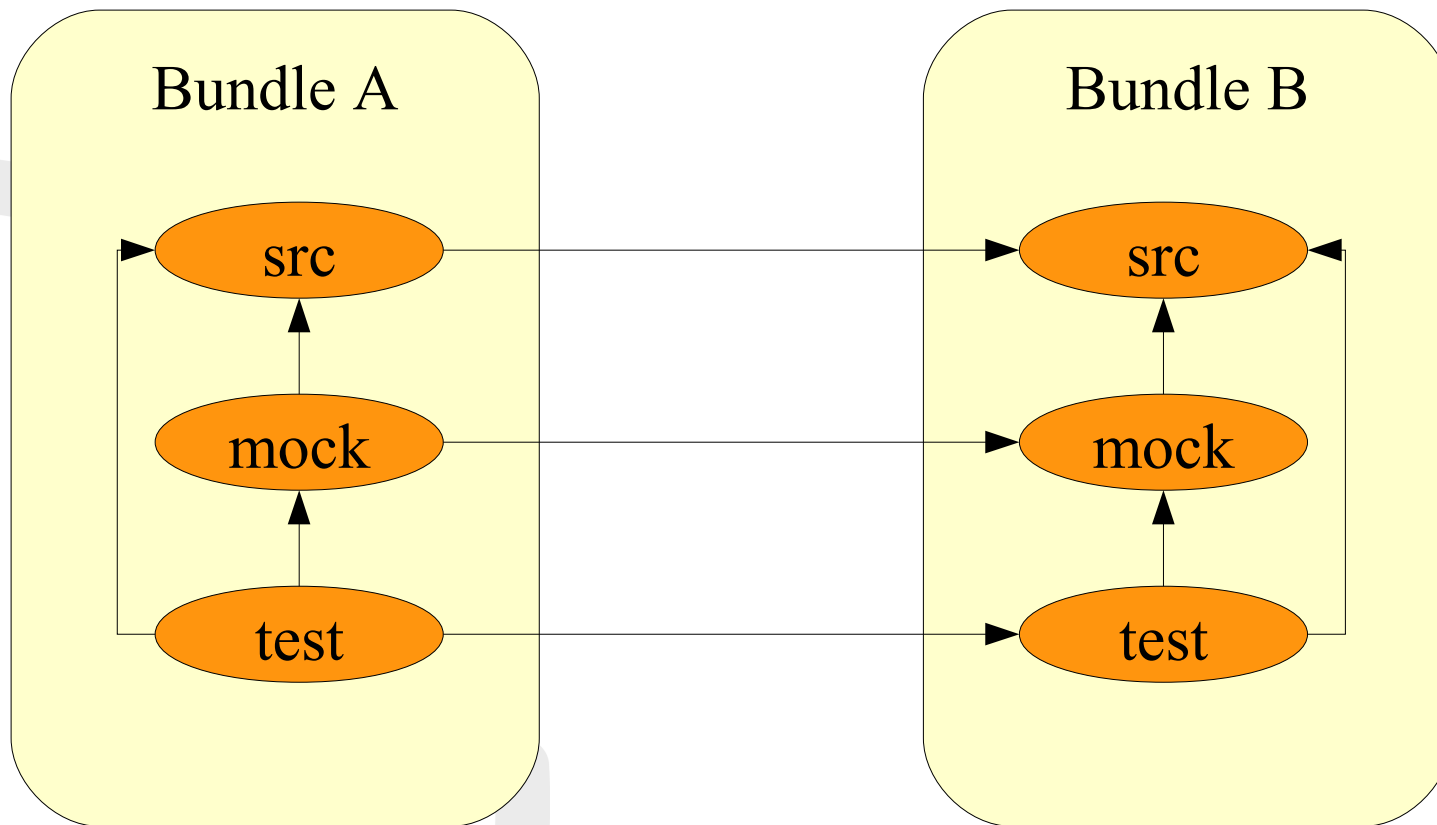


# Bundlestruktur

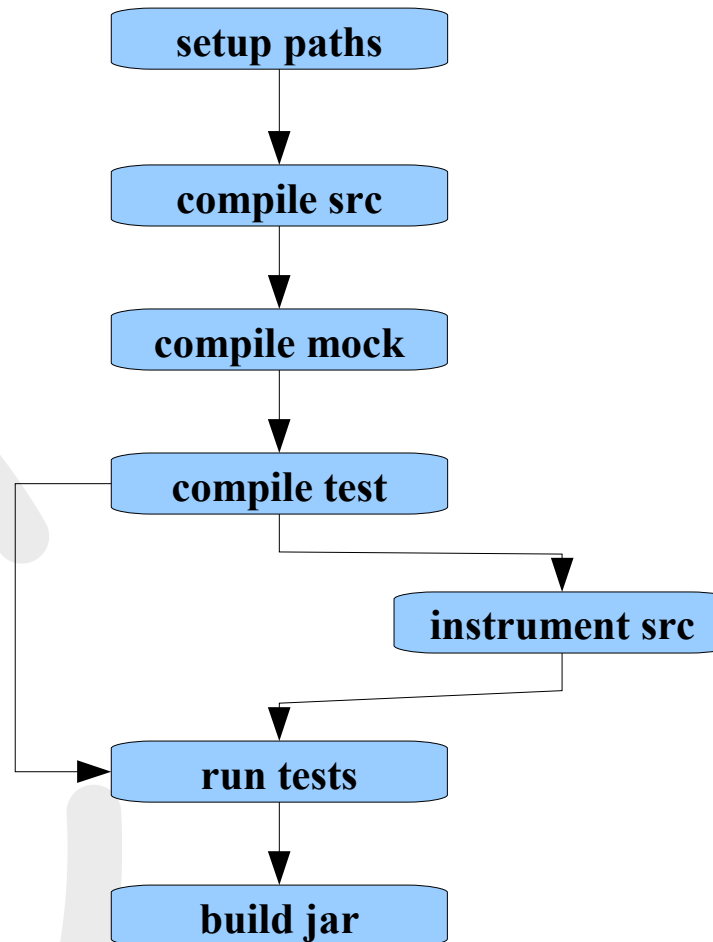
- Projektverzeichnis
  - src
  - mock
  - test
  - META-INF
    - MANIFEST.MF
  - .classpath
  - build.properties



# Abhängigkeiten

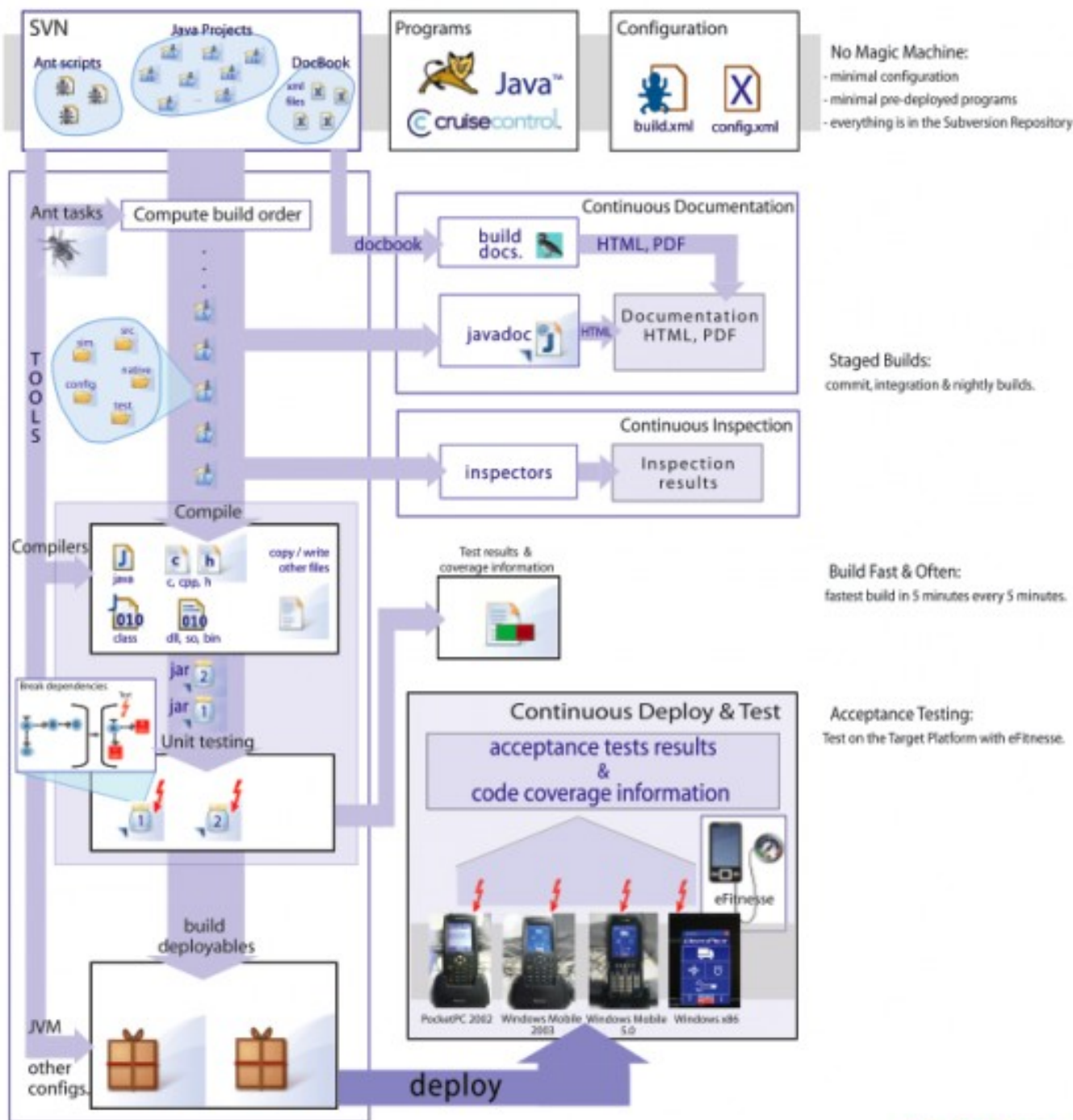


# Build project





# A Complete Continuous Integration System for embedded OSGi Projects



# CI Tools

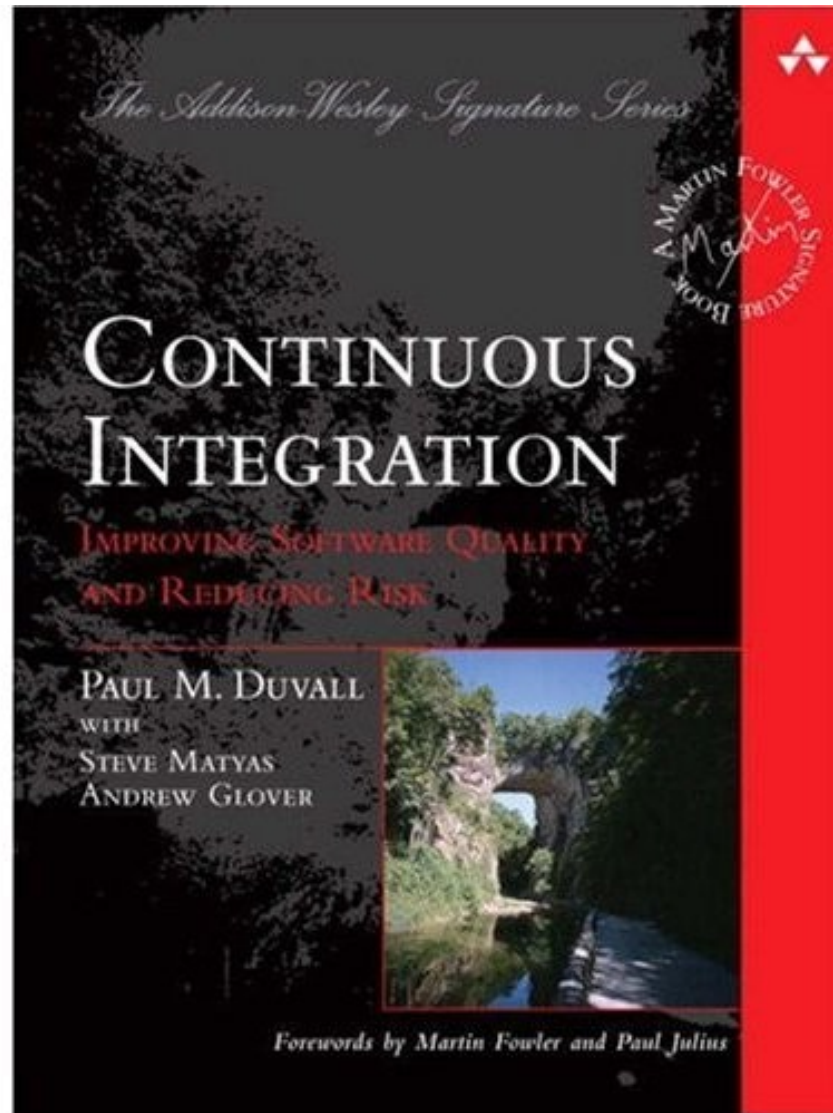
@cruisecontrol.

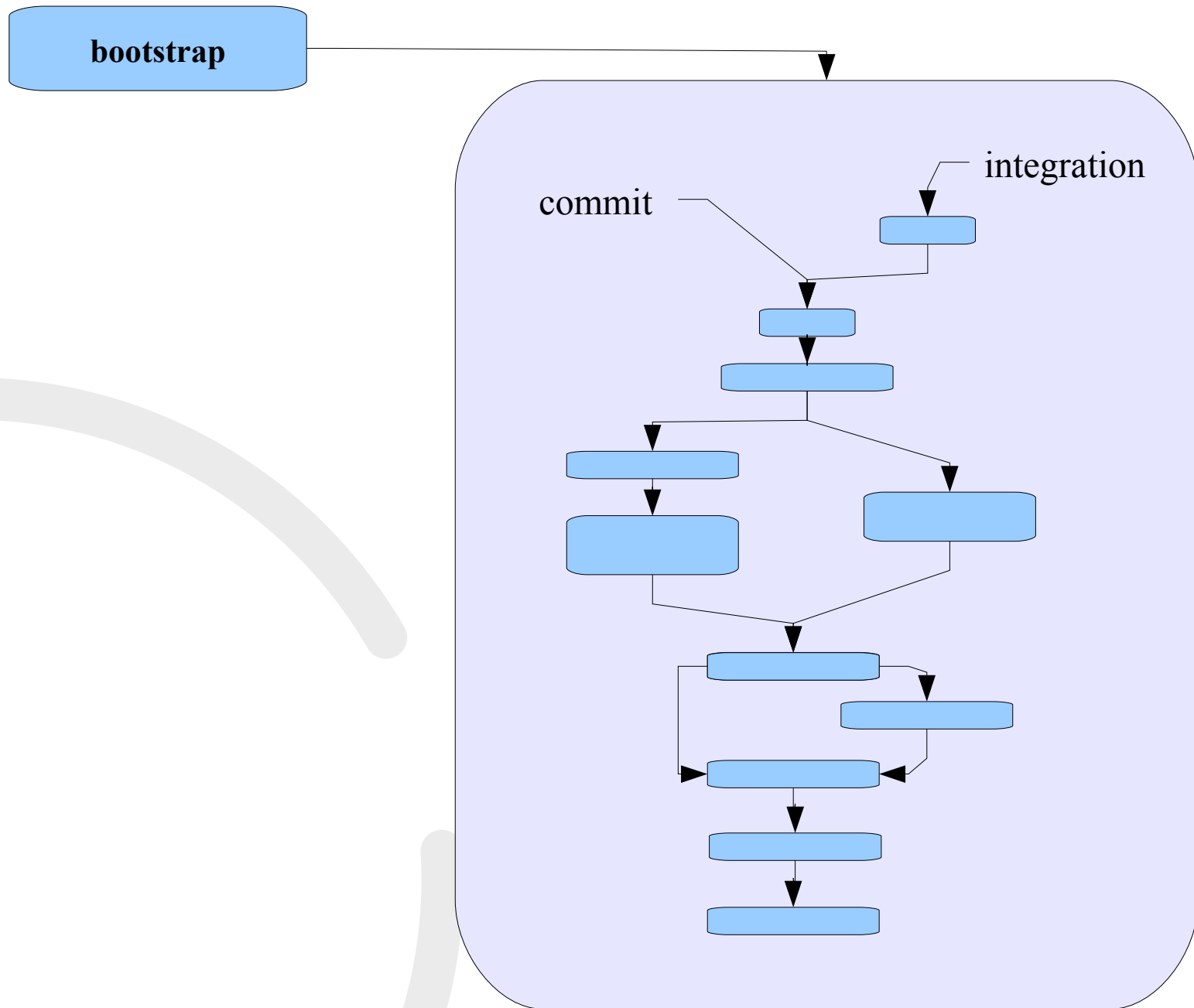


# CI Features

- Buildtriggern
- SVN/CVS Anbindung
- Email
- Scheduling
- GUI
- [Staged Builds]
- [Distributed Builds]

# Das Buch





# Dashboard Server : crct-p5.microdoc.dmz



Dashboard Builds Administration

**usm-commit passed (about 16 hours ago)**  
**Build Time:** 29 Apr 2009 18:23 GMT +02:00 **Duration:** 1 minute 45 seconds  
**Build:** build.14

Artifacts Modifications Build Log Tests Errors and Warnings

## Artifacts

- [coverage](#)
- [log](#)
- [usm.zip](#)

**Latest Builds**

- about 16 hours ago build.14
- about 16 hours ago build.13
- about 16 hours ago build.12
- about 19 hours ago build.11
- about 20 hours ago
- about 23 hours ago
- about 23 hours ago build.10
- about 23 hours ago build.9
- 1 day ago build.8
- 1 day ago build.7
- 1 day ago build.6
- 1 day ago build.5
- 1 day ago build.4
- 1 day ago
- 1 day ago
- 1 day ago
- 1 day ago

Two thick, light gray curved lines are positioned on the left side of the slide. The upper arc is larger and curves from the left edge towards the center. The lower arc is smaller and more vertical, also starting from the left edge and curving towards the center.

# Fragen ?